

Technical Report

The technical report is an individual assignment! (This means no copying!)

Cover Page

The very first page should be the cover page. Name, date, and period should be under the title of the report.

Table of Contents

The second page should be the table of contents.

Daily Log

You should have a log of every day you or your partner worked on the project. This includes, but not limited to, your research, brainstorming, sketches, and modifications.

Body (Explanation)

Begin by writing about the processes that you went through to make the bottle rocket. You can start by looking at each step of the **Engineering Design Process** and applying it to your work. Use vocabulary from the Rocket Design Info pdf (found on the wiki page under downloads). The technical report must include **ALL** recorded data from testing. You may refer to pictures in your report to give visual aid when explaining your design choices. These pictures must have figure numbers.

Data included in the body:

How long did the rocket stay in the air? _____

What was the height traveled? _____

Did your rocket have a working parachute? _____

Was your rocket decorated? _____

Conclusion

The conclusion needs to include a list of materials, design changes, observations and conclusions. Questions to address in your observations and conclusions include: What problems did your bottle rocket experience? What could have been done to improve your project? If any changes were made during the building, tell why. Would you say your rocket was successful? Make sure to also include other important observations and conclusions.

Design

The original design and also any design changes should be included in the report. This can be the original paper or a picture of that paper (one partner should have the original). Give this a page number and a figure number for reference in the paper. This includes the design of the fins with measurements and a sketch of the rocket. If you cut out your design, you may tape it on another piece of paper.

Resources

The research should be cited on the last page labeled as “Resources”. There should be **at least 3** sources used in your paper.